

ABSTRACT OF THE DISCLOSURE

LIGHT-CONVERTING MATERIAL COMPRISING A BARIUM MAGNESIUM
SILICATE AS ADDITIVE

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The invention concerns a light transforming material, in particular for greenhouse walls, comprising as additive a barium and magnesium silicate of formula Ba;
10 $3(1-x)Eu; 3xMg; 1-yMn; ySi; 2O; (1)$, wherein $0 < x = 0.3$ and $0 < y = 0.3$. Said material is capable of transforming solar energy of UV range into a red light. Said material can also be used in paints and cosmetics.